

EDITED KSA LISTING

CLASS: SENIOR STRUCTURAL ENGINEER, CF

NOTE: Each position within this classification may be required to possess all or some of these knowledge, skills or abilities.

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	Knowledge of:
K1	Comprehensive knowledge of stress analysis as it applies to structural related projects.
K2	Comprehensive knowledge of statics, strength, properties, and uses of the materials of structures as it applies to a wide variety of structural related projects.
K3	Comprehensive knowledge of specifications and building codes applying to buildings and other structures.

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	Skill to:
S1	Act as a mentor to provide instruction and/or guidance in order to facilitate projects and/or assignments related to structural engineering.
S2	Inspect and judge the quality of structural work in the field to ensure quality control.
S3	Analyze situations accurately and adopt an effective course of action.
S4	Prepare and maintain various engineering records, reports, specifications, notes, data, etc. to provide direction, information and recommendations on a wide variety of structural related projects.
S5	Effectively apply interpersonal and communication techniques to transfer information and secure and maintain the respect and cooperation of others.
S6	Skill in the use of computer software (e.g. word processing, spreadsheets, graphic presentations, e-mail, internet) in order to perform various functions of the position.
S7	Interpretation of building codes and specifications as it applies to a wide variety of structural related projects.
S8	Skill in the use of computer assisted drafting tools (e.g. Auto-Cad, Microsoft Station) in order to produce construction documents.